Index of Claims



Application/Control No.

09/238,742

Examiner

Howard J. Locker

Applicant(s)/Patent under Reexamination

MEILLAND, ALAIN A.
Art Unit

1661

| √` | Rejected |
|----|----------|
| =  | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| Ţ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Cla  | Claim Date  |  |          |  |                                     |           | Claim    |             |                |   |       | Date     |          |                 |          |          | Cla   | aim   | Date  |            |               |             |          |                 |               |  |                         |               |         |         |                                |
|--|-------------|--|----------|--|-------------------------------------|-----------|----------|-------------|----------------|---|-------|----------|----------|-----------------|----------|----------|---|---|---|------------|---------------|-------------|----------|-----------------|---------------|--|-------------------------|---------------|---------|---------|--------------------------------|
|  |             | 11   |          |  |                                     |           |          |             |                |   |       |          |          |                 |          |          |   |   | П   |            | 7             |             |          |                 |               |  |                         |               |         | T       | П                              |
| ल  | Original    | 1/3/1/   |          |  |                                     |           |          |             |                |   |       | ख        | Original |                 | i        |          |   | 1   | 1 1   |            |               | ਰ           | Original |                 |               |  |                         |               |         |         |                                |
| Final  | <u>:</u> ē, | ٦,   |          |  |                                     |           |          |             |                |   |       | Final    | iĝi      |                 |          |          |   |   |   |            |               | Final       | rigi     |                 |               |  |                         |               | 1       |         |                                |
| -  | ο ,         | Ø\$  |          |  |                                     |           |          | ll          |                |   |       | _        | Ō        |                 | - 1      |          | - [   | 1   |   |            |               | _           | Õ        |                 |               |  |                         | -             |         |         |                                |
| <u> </u>   | (1)         | <b>\</b> _                                       | -        | ⊢  | 1                                   | $\vdash$  |          | Н           | $\dashv$       |   |       |          | 51       | H               | ┪        | $\dashv$ | +   | ┿   | +   | -+         | -∤!!!!        |             | 101      |                 | $\dashv$      | +  | ┿                       | +             | +       | +       | ╁                              |
| <u> </u>   |             |  | ⊢        | H  |                                     | H         | -        | Н           |                |   |       |          | 52       | $\vdash$        | -        | +        |   | ┿   | ╁╌  |            | -             |             | 102      | $\dashv$        | $\dashv$      | +  | +                       | +             |         | +       | ┼╌┤                            |
| <u> </u>   | 2           | ⊢  | ⊢        | <u> </u>   | H                                   | Н         |          | Н           | $\dashv$       |   |       |          | 52       | -               | -        | -        | +   | ╁   | +   | -          | -             |             |          | -               |               | +  | +                       | +             | +       | +       | ₩                              |
| <u> </u>   | 3           | ├  | ⊢        | -  |                                     |           |          | Н           |                |   |       |          | 53       | ┦               |          | +        |   | ╄   | ╀╌┤   | +          | -             |             | 103      |                 | -             | +  | +                       | +             | +       | +       | +                              |
|  | 4           | ├  | L        | -  | _                                   | Ш         | _        | Н           | -              |   |       |          | 54       | $\vdash$        | -        |          | -   | ╁   |   | _          | -             |             | 104      | _               |               | +  | -                       | +             | +       | +       | $\dashv$                       |
|  | 5           | ⊢  | $\vdash$ | <u> </u>   |                                     | Н         |          | Ш           |                |   |       |          | 55       | $\vdash \vdash$ | $\dashv$ | $\dashv$ | +   | ╁   | $\vdash$  | $\dashv$   | -             |             | 105      | $\dashv$        | _             | -  |                         | -             | 4       | +       | $\dashv$                       |
|  | 6           | ┞  | <u> </u> | ļ  | <u> </u>                            | L.        |          | Ш           |                |   |       |          | 56       |                 | -        | -        |   | ╄   | <del>                                     </del>  | $\dashv$   | 4::::         |             | 106      |                 |               | 4  | $\perp$                 | $\perp$       | $\perp$ | —       | +                              |
|  | 7           | ╙  | L        | _  | _                                   | Ш         |          | Ш           |                |   |       |          | 57       | Ш               | _        | _        | $\bot$  | 4_  | ⇊   |            | _             |             | 107      |                 | $\rightarrow$ | 4  | 4                       | $\perp$       | 4       | 4       | Ш                              |
| <u> </u>   | 8           | ╙  | L_       |  |                                     | L         |          | Ш           |                |   |       |          | 58       | $\sqcup$        | _        | _        | _   | ╄   | $\sqcup$  | $\perp$    | _             |             | 108      |                 |               | _  |                         | $\perp$       | $\perp$ | $\bot$  | $\perp$                        |
| L  | 9           | <u> </u>   | <u> </u> | L  |                                     |           |          | Ш           |                |   |       |          | 59       | Ш               |          |          | $\perp$   | ┖   | $\sqcup$  |            | _             |             | 109      |                 |               |  | $\perp$                 |               | ᆚ       | $\bot$  | Ш                              |
| L  | 10          | L  | L        |  |                                     |           |          |             |                |   |       |          | 60       |                 |          |          | ┸   |   | $\perp$   |            |               |             | 110      |                 |               |  |                         | Ŀ             |         |         |                                |
|  | 11          | L  | L        |  | $\Box$                              | $\square$ |          | Ш           |                |   |       |          | 61       | Ш               |          |          | $\perp$   | L   | $oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}}$ |            |               |             | 111      |                 |               | $oldsymbol{ol}}}}}}}}}}}}}}}}$ | _[                      |               | $\Box$  |         | $\perp$                        |
|  | 12          | L  |          |  |                                     |           |          |             |                |   |       |          | 62       | $\square$       |          |          |   |   |   |            |               |             | 112      |                 |               |  | $oldsymbol{\mathbb{I}}$ |               |         |         |                                |
|  | 13          | Ĺ  |          | L  |                                     |           |          |             |                |   |       |          | 63       |                 |          |          |   |   | $\Box$  |            |               |             | 113      |                 |               |  | _T                      |               |         |         | $\Box$                         |
|  | 14          |  |          |  |                                     |           |          |             |                |   |       |          | 64       |                 |          |          | Τ   | Τ   |   |            | 7             |             | 114      |                 | $\Box$        |  | 寸                       | $\exists$     | 1       | $\top$  | $\sqcap$                       |
|  | 15          |  |          | Ι  |                                     | П         |          | П           |                |   |       |          | 65       |                 |          |          | 1   | Τ   | T   |            | 7             |             | 115      | $\Box$          |               | 7  | ┪                       | T             | 1       | Т       | $\sqcap$                       |
|  | 16          |  | П        | Π  |                                     | П         |          | П           |                |   |       |          | 66       | П               | $\neg$   |          | $\top$  | T   | T   |            | 1             |             | 116      |                 | $\neg$        | 7  | $\top$                  | 丁             | T       | $\top$  | $\sqcap$                       |
|  | 17          |  | Г        | Π  |                                     | П         |          | П           |                |   |       |          | 67       | П               | $\neg$   | _        | $\top$  | 1   | 1-1   | $\Box$     | 7             |             | 117      |                 | $\neg$        | $\top$   | 十                       | 7             | $\top$  | 1       | $\Box$                         |
|  | 18          |  |          |  |                                     |           | -        | П           |                |   |       |          | 68       | П               |          |          | $\top$  | $\top$  | 1   | $\dashv$   | 7             |             | 118      | $\Box$          | $\neg$        | _  | 十                       | 7             | $\top$  | $\top$  | $\forall$                      |
|  | 19          | t  |          | t  |                                     |           |          | Н           |                | - |       |          | 69       | Н               | 寸        | _        | +   | +-  | ╆╌┤   | $\dashv$   | ⊟։։։          |             | 119      | $\vdash$        | +             | _  | ┪                       | +             | +       | +       | $\forall$                      |
|  | 20          | $\vdash$   |          | 一  |                                     |           | $\vdash$ | Н           |                |   |       |          | 70       | $\vdash$        |          | $\dashv$ | +   | +-  | ╁   | -          | <b>⊣</b> :::: |             | 120      |                 | -             | +  | ╅                       |               | +       | +       | +                              |
|  | 21          | ┢  |          | ┢┈   |                                     | Н         |          | Н           | -              |   |       |          | 71       |                 | _        | $\dashv$ | +   | +   | ╁   | +          | <b>⊣</b> !!!! |             | 121      | $\vdash$        |               | _  | +                       | ╅             | +       | +       | +                              |
| _  | 22          | $\vdash$   |          | ╁  | <del>-</del>                        |           | _        | Н           |                |   |       |          | 72       | $\vdash$        | 十        | +        | +   | +   | +   | +          | -             |             | 122      | $\vdash$        |               | +  | +                       | +             | +       | +       | +-+                            |
|  | 23          | <del> </del>                                     |          | ┢  | H :                                 |           |          | Н           | $\dashv$       | - |       |          | 73       | $\vdash$        | $\dashv$ |          | +   | +-  | ╂─┤   | -          |               |             | 123      |                 | -             |  | ┪                       | -+            | +       | +       | +                              |
| _  | 24          | ├  | -        | ⊢  | <u> </u>                            | _         | $\vdash$ | Н           | $\dashv$       |   |       |          | 74       | $\vdash$        | +        | +        | +   | <del> </del>  | ╂╾╂   | -          |               |             | 124      | $\vdash$        | +             | +  | +                       | +             | +       | -       | +                              |
| <del></del>                                      | 25          | ├  | -        | }—   |                                     |           |          | Н           |                |   |       |          |          | -               | -        | $\dashv$ | +   | ┼   | +   | -          |               |             | 124      | $\dashv$        |               | +  |                         |               | +       | +       | +                              |
|  |             | ⊢  | $\vdash$ | ⊢  |                                     | _         | _        | Н           | -              |   |       |          | 75       |                 |          | +        | +   | ╁   | ┨   | 1          |               |             | 125      | -4              | -             | +  | +                       | +             | +       | +       | ┦                              |
|  | 26          | }_   | -        | ├  | ١                                   |           | _        | ┞─┤         | $\dashv$       |   |       |          | 76       | $\vdash$        | -        | -        | +   | ┿   | ╂╾┩   | $\vdash$   | -             |             | 126      | Н               | -             | +  | +                       | +             | +       | _       | Н                              |
|  | 27          | -  | <u> </u> |  |                                     | _         |          | Н           | -              |   |       |          | 77       | $\sqcup$        | _        |          | +   | +-  | $\vdash$  | $\perp$    | -             |             | 127      | $\dashv$        | $\rightarrow$ | +  | +                       | +             | +       | _       | $\sqcup$                       |
| <u> </u>   | 28          | ┡  | ┝        | _  |                                     | _         | _        | _           | -              |   |       |          | 78       | Ш               | _        | $\dashv$ | +   | -   | ┦   | _          | -1::::        |             | 128      | Щ               | _             | 4  | 4                       | _             | _       |         | $\perp \perp$                  |
|  | 29          | <u> </u>   | ╙        | ļ  |                                     | Щ         |          | Ш           | $\blacksquare$ |   |       |          | 79       | Щ               | $\dashv$ | _        | _   | ↓_  | $\sqcup$  |            | _             |             | 129      |                 |               | 4.   | 4                       | _ _           | _       | $\bot$  | Ш                              |
|  | 30          | L.   | ļ        | L  |                                     | Ш         |          | Ш           | $\Box$         |   |       |          | 80       | Ш               | _        | 4        | $\bot$  | $\bot$  | $\sqcup$  | $\perp$    | _             |             | 130      | Ш               |               |  | 4                       | _             |         | $\bot$  | Ш                              |
|  | 31          | _  | _        | L  | _                                   | Ш         |          |             |                |   |       |          | 81       | Щ               | _        |          | $\perp$   | ╀   | Ш   | $\perp$    | _ :::::       |             | 131      |                 |               | $\perp$  |                         | _ _           |         | 丄       | Ш                              |
| <u></u>  | 32          |  | _        |  |                                     | Ш         |          | Ш           |                |   |       |          | 82       | Щ               |          | $\perp$  | $\perp$   | $\perp$   | $\perp \perp$   |            | _             |             | 132      |                 |               | 1  | $\perp$                 |               |         | $\perp$ | $oldsymbol{oldsymbol{\sqcup}}$ |
|  | 33          |  |          |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш         |          | Ш           |                |   |       |          | 83       |                 |          | $\perp$  | $\perp$   | ╄   | $\sqcup$  |            | _             |             | 133      |                 |               | $\perp$  | $\perp$                 | $\perp$       | $\perp$ | $\perp$ | $oxed{oxed}$                   |
| <u></u>  | 34          |  | <u> </u> | L  |                                     |           |          | Ш           |                |   |       |          | 84       | Ш               | _        |          | $\perp$   | ↓_  | $oldsymbol{oldsymbol{\sqcup}}$  |            | _             |             | 134      | Ш               |               |  |                         |               |         |         |                                |
|  | 35          |  | L        |  | L.                                  |           |          | Ш           |                |   |       |          | 85       | Ш               |          |          | $\perp$   |   | $oxed{oxed}$  |            | _             |             | 135      |                 |               | $oldsymbol{ol}}}}}}}}}}}}}}}}$           |                         | $\perp$       |         |         | $\perp$                        |
|  | 36          |  |          | L  |                                     |           |          | $\bigsqcup$ |                |   |       |          | 86       |                 |          | $\prod$  | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $\Box$  |            |               |             | 136      |                 | $\Box T$      |  | $oxed{T}$               | $\Box \Gamma$ |         |         | ♬                              |
|  | 37          |  |          |  |                                     |           |          |             |                |   |       |          | 87       | $\Box$          | T        |          |   | $\Gamma$  |   |            |               |             | 137      |                 |               |  | Т                       | Т             | T       | Т       | $\Box$                         |
|  | 38          | $\Box$   |          |  |                                     |           |          |             |                |   |       |          | 88       |                 |          |          |   |   |   |            | 7             |             | 138      |                 | $\neg \vdash$ | $\neg$   | $\top$                  | $\top$        | $\top$  | $\top$  | $\sqcap$                       |
|  | 39          |  |          |  |                                     | П         |          |             |                |   |       |          | 89       | П               |          |          | T   |   |   |            |               |             | 139      |                 |               | 7  | 十                       | 1             | $\top$  | $\top$  | $\sqcap$                       |
|  | 40          |  |          |  |                                     |           |          | П           |                |   |       |          | 90       | П               | 7        |          | 十   | 1   | 1-1   |            | 7             |             | 140      |                 |               | $\top$   | $\top$                  | $\dashv$      | $\top$  | 十       | $\dagger \exists$              |
|  | 41          | $\vdash$   |          |  |                                     | П         |          | П           |                | - |       |          | 91       | П               |          | $\dashv$ | T   | $\top$  | 1-1   | $\vdash$   |               |             | 141      | $\vdash$        |               | $\top$   | $\top$                  | $\dashv$      | 十       | $\top$  | $\forall$                      |
|  | 42          | $\vdash$   | T        | $\Box$   | П                                   | П         |          | Н           |                |   |       |          | 92       | $\sqcap$        | 寸        | $\dashv$ | 1   | $\dagger$   | 1 1   | $\vdash$   | 1             |             | 142      | $\vdash$        | .             | $\top$   | $\top$                  | 十             | +       | +-      | +                              |
|  | 43          | T  |          |  |                                     | $\vdash$  | П        | Н           |                |   |       |          | 93       | $\vdash$        | $\dashv$ | _        | $\top$  | +-  | 1 1   |            | -             | -           | 143      | $\vdash$        | -             | 十  | +                       | +             | +       | ╁       | +                              |
|  | 44          | $\vdash$   |          | $\vdash$   | Т                                   | $\vdash$  | $\vdash$ | Н           | $\dashv$       |   |       |          | 94       | $\vdash$        | -        | $\dashv$ | ╁   | +   | +   | +          | -             |             | 144      | $\vdash \vdash$ | -             | +  | $\dashv$                | +             | +       | +       | +                              |
| <del> </del>                                     | 45          | $\vdash$   | H        | <del>                                     </del> | Н                                   | $\vdash$  | Н        | $\vdash$    | $\neg$         |   |       |          | 95       | $\vdash$        |          | 十        | +   | +   | ╁╌┤   | +          | -             |             | 145      | $\vdash$        | +             | +  | +                       | ┰             | +       | +       | +                              |
| $\vdash$   | 46          | <del>                                     </del> | $\vdash$ | ┢  | -                                   | Н         |          | $\vdash$    | -              | _ |       |          | 96       | $\vdash$        | $\dashv$ | $\dashv$ | +   | ╁╌  | + -   | -+         | -             | <del></del> | 146      | $\vdash$        | +             | +  | ╁                       | +             | +       | +       | ╁┤                             |
| <del></del>                                      | 47          | <del>  -</del>                                   |          | $\vdash$   | -                                   | $\vdash$  | $\vdash$ | $\vdash$    | -              | _ |       |          | 97       | $\vdash$        | $\dashv$ | +        | +   | +   | 1-1   | $\vdash +$ | -             |             | 147      | $\vdash$        | $\dashv$      | ╫  | ╁                       | +             | +       | +-      | ╂─┤                            |
| <del>                                     </del> | 48          | <del>  -</del>                                   | $\vdash$ | $\vdash$   | -                                   | $\vdash$  | -        | $\vdash$    | -              | _ |       | $\vdash$ | 98       |                 | -+       | +        | +   | ┰   | ┼┤  | -+         | -             |             | 148      | $\vdash$        | +             | +  | +                       | +             | +       | +-      | +                              |
|  | 49          | ⊢  | $\vdash$ | ├  | $\vdash$                            | $\vdash$  |          | $\vdash$    | -              |   |       |          |          | $\vdash \vdash$ | -        | +        | +   | +   | ╁╌┤   |            | -             |             | 140      | $\vdash$        | $\dashv$      | +  | +                       | +             |         | +-      | ╀┤                             |
| <del></del>                                      | 49          | <del>                                     </del> | $\vdash$ | -  | $\vdash$                            | H         | $\vdash$ | $\vdash$    |                |   |       | $\vdash$ | 99       |                 | $\dashv$ | -        | +   | +   | ╂╌┤   | -          | -             |             | 149      | $\vdash$        |               | +  | +                       | +             | +       |         | ₩                              |
|  | 50          | L.   |          | Ц  | نــــا                              | Ш         |          | oxed        |                |   | :::!! |          | 100      | Ш               |          |          | _l_   |   | Ш   |            |               |             | 150      |                 |               | 丄  | 丄                       |               |         |         | ш                              |